

JIMAR – PFRP ANNUAL REPORT FOR FY 2007

P.I./Sponsor Name: K Holland, L. Dagorn

Project Proposal Title: Instrumented Buoys as Autonomous Observatories of Pelagic Ecosystems

Funding Agency: NOAA

NOAA Goal (Check those that apply):

- To protect, restore, and manage the use of coastal and ocean resources through ecosystem-base management
- To understand climate variability and change to enhance society's ability to plan and respond
- To serve society's needs for weather and water information
- To support the nation's commerce with information for safe, efficient, and environmentally sound transportation

1. Purpose of the Project (one paragraph)

To develop an autonomous platform that is capable of using acoustic survey methods (“sonar”) to census the aggregations of pelagic fishes that assemble around FADs and to use this tool to study the temporal dynamics of these aggregations.

2. Progress during FY 2007 (One-two paragraphs, including a comparison of the actual accomplishments to the objectives established for the period, and the reasons for slippage if established objectives were not met):

The part of this project that was delegated to Scripps personnel for design and fabrication of the prototype has been slowly approaching completion. The slow pace was dictated by loss of key technical personnel at Scripps and reduction of parallel sources of funding. However, testing of a ship-born prototype was completed in Spring 2007. We anticipate field deployment of the prototype in Hawaii in winter 2007.

3. Plans for the next fiscal year (one paragraph):

Field testing of prototype in Hawaii and refinement of the data output produced by the prototype through modification of imaging software.

4. List of papers published in refereed journals during FY 2007.

none

5. Other papers, technical reports, meeting presentations, etc.
none

6. Graduates (Names of students graduating with MS or PhD degrees during FY 2007. Provide titles of their thesis or dissertation):
none

7. Awards (List awards given to JIMAR employees or to the project itself during the period): none

8. Publication Count (Total count of publications for the reporting period and previous periods categorized by NOAA lead author and Institute (or subgrantee) lead author and whether it was peer-reviewed or non peer-reviewed (not including presentations):

	JL Lead Author			NOAA Lead Author			Other Lead Author		
	FY05	FY06	FY07	FY05	FY06	FY07	FY05	FY06	FY07
Peer-reviewed									
Non-peer reviewed									

9. Students and Post-docs (Number of students and post-docs that were associated with NOAA funded research. Please indicate if they received any NOAA funding. For institutes that award subcontracts, please include information from your subgrantees):
none

10. Personnel:

(i) Number of employees by job title and terminal degree that received more than 50% support from NOAA, including visiting scientists (this information is not required from subgrantees): none

(ii) Number of employees/students that received 100% of their funding from an OAR laboratory and/or are located within that laboratory. none

(iii) Number of employees/students that were hired by NOAA during the past year:
none

11. Images and Captions. (JIMAR will be including images in the annual report. Please send two of your best high-resolution, color images (photo, graphic, schematic) as a JPEG or TIFF with a caption for each image. Hardcopies of images can be dropped off at the JIMAR office if no electronic versions are available.

none